

Practitioner's Docket No. 13189.141



Rec'd PCT/PTO 09 JAN 2002

PATENT  
COPY OF PAPERS  
ORIGINALLY FILED

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Zengerle, Roland; Hey, Nicolaus; Gruhler, Holger; Freygang, Michael; and  
Mueller, Martin  
Application No.: 09/936,881 Group No.: Unknown  
Filed: September 11, 2001 Examiner: Unknown  
For: FLUID MANAGEMENT APPARATUS WITH FORMAT CONVERSION

Box Non-Fee Amendment  
Assistant Commissioner for Patents  
Washington, DC 20231

RECEIVED  
FEB 11 2002  
TC 1700

TRANSMITTAL OF SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
WITHIN THREE MONTHS OF FILING OR  
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. Section 1.97(b))

IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING  
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Supplemental Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office Action on the merits, whichever event occurs last. 37 C.F.R. Section 1.97(b).

CONCISE EXPLANATION

A concise explanation of the relevance, as it is presently understood by the individual designated in §1.56(c) most knowledgeable about the content of the information of each patent, publication, or other information listed that is not in the English language is attached.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. Section 1.8(a))

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

☒ deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Box Non-Fee Amendment, Assistant Commissioner for Patents, Washington, DC 20231.

FACSIMILE

☐ transmitted by facsimile to the Patent and Trademark Office.

Date:

October 18, 2001

Signature

Elaine C. Von Spreckelsen

Elaine C. Von Spreckelsen

(type or print name of person certifying)

Doc. 2759

(Transmittal of Information Disclosure Statement Within Three Months of Filing  
or Before Mailing of First Office Action-page 1 of 2)

**FEES**

It is believed no fee is due. If any fee is due, please charge Deposit Account No. 50-1848.

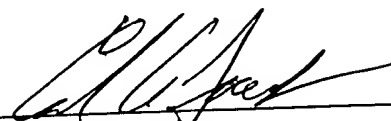
Date:

Oct 18, 2001

Reg. No.: 28,494

Tel. No.: 303-379-1114

Fax No.: 303-379-1155



Signature of Practitioner

Carl A. Forest

Customer No.: 24283

### CONCISE EXPLANATION OF RELEVANCE

DE 3004555 A1 cited in the National German examination procedure relates to a plotting machine. The plotting machine has a printing head having three pens which can be piezoelectrically actuated. This document does not include any hit as to a format conversion.

EP 0 955 084 A1 relates to a micro-ejection pump. One embodiment of the micro-ejection pump shown in FIG. 5 of this document includes a parallel arrangement of a plurality of pump chambers 4. An ejection orifice is associated with each pump chamber 4 and connected therewith via a fluid channel. In addition, feeding channels 7 (see FIG. 9) are in fluid communication to the pump chambers 4 via diffuser elements. A fluid inlet 16 (FIG. 9) for the feeding channel is provided in the top surface of such a micro-ejection pump 1. On the one hand, this document is silent about a specific format conversion, and, on the other hand, this document is silent about first orifices in a first surface of a substrate and second orifices in a second surface of a substrate which is opposite to the first surface.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

**DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.